Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

     1.   (previously presented) A method comprising:

creating a session-based ad-hoc group (SBG) within a well-known ad-hoc group (WKG) for impromptu interactions among unrelated mobile users, the SBG being one of an open SBG and a restricted SBG, the WKG having a WKG network configuration and a set of WKG interaction protocols, the SBG having SBG network configuration and a set of SBG interaction protocols; and

advertising information pertaining to the SBG on the WKG, the information including an access method for joining the restricted SBG.

     2.   (original) The method of claim 1 wherein creating the SBG comprises obtaining the WKG network configuration and the set of WKG interaction protocols.

     3.   (original) The method of claim 2 wherein obtaining the WKG network configuration and the set of WKG interaction protocols comprises obtaining one of a pre-configuration on a retail device, a downloadable client software, and a public advertisement.

     4.   (previously presented) The method of claim 1 wherein the WKG creates one of an open WKG and a restricted WKG, the open WKG having no access control, the restricted WKG having an access control to selected users.

     5.   (previously presented) The method of claim 1 wherein creating the SBG comprises:

creating one of the open SBG and the restricted SBG, the open SBG having no access control, the restricted SBG having an access control to selected users.

6. (previously presented) The method of claim 5 wherein creating one of the open SBG and the restricted SBG comprises:

selecting at least an administrator to manage access to the restricted SBG and control changes to the SBG network configuration.

7. (original) The method of claim 6 wherein advertising comprises:

selecting an advertising node according to a criteria within the SBG;

collecting information on the SBG;

periodically joining the WKG to broadcast the SBG information and to collect information on the WKG or a nearby SBG; and

returning to the SBG to advertise the information collected on the WKG to SBG members.

8. (original) The method of claim 1 further comprising:

joining the WKG according to user configuration.

9. (original) The method of claim 8 wherein joining the WKG comprises:

joining the SBG.

10. (original) The method of claim 1 further comprising:

partitioning one of the WKG and the SBG.

11. (original) The method of claim 1 further comprising:

merging the WKG to one other WKG; and

merging the SBG to one other SBG.

12. (original) The method of claim 1 further comprising:

enabling interaction among the unrelated mobile users within the WKG or the SBG using the WKG interaction protocols or the SBG interaction protocols.

13. (original) The method of claim 12 wherein enabling interaction comprises:

managing an application;

discovering at least one of a host, an application, and a user profile;

managing distributed resource; and

managing group information.

14.   (previously presented) An article of manufacture comprising:

a machine-accessible storage medium having stored thereon data that, when accessed by a machine, causes the machine to perform operations comprising:

creating a session-based ad-hoc group (SBG) within a well-known ad-hoc group (WKG) for impromptu interactions among unrelated mobile users, the SBG being one of an open SBG and a restricted SBG, the WKG having a WKG network configuration and a set of WKG interaction protocols, the SBG having SBG network configuration and a set of SBG interaction protocols; and

advertising information pertaining to the SBG on the WKG, the information including an access method for joining the restricted SBG.

15.   (original) The article of manufacture of claim 14 wherein the data causing the machine to perform creating the WKG comprises data that, when accessed by the machine, causes the machine to perform operations comprising:

obtaining the WKG network configuration and the set of WKG interaction protocols to a general public.

16.   (original) The article of manufacture of claim 15 wherein the data causing the machine to perform obtaining the WKG network configuration and the set of WKG interaction protocols comprises obtaining one of a pre-configuration on a retail device, a downloadable client software, and a public advertisement.

17.   (original) The article of manufacture of claim 14 wherein the WKG is one of an open WKG and a restricted WKG, the open WKG having no access control, the restricted WKG having an access control to selected users.

18.   (previously presented) The article of manufacture of claim 14 wherein the data causing the machine to perform creating the SBG comprises data that, when accessed by the machine, causes the machine to perform operations comprising:

creating one of the open SBG and the restricted SBG, the open SBG having no access control, the restricted SBG having an access control to selected users.

19.   (previously presented) The article of manufacture of claim 18 wherein the data causing the machine to perform creating one of the open SBG and the restricted SBG comprises data that, when accessed by the machine, causes the machine to perform operations comprising:

selecting at least an administrator to manage access to the restricted SBG and control changes to the SBG network configuration.

20.   (original) The article of manufacture of claim 19 wherein the data causing the machine to perform advertising comprises data that, when accessed by the machine, causes the machine to perform operations comprising:

selecting an advertising node according to a criteria within the SBG;

collecting information on the SBG;

periodically joining the WKG to broadcast the SBG information and to collect information on the WKG or a nearby SBG; and

returning to the SBG to advertise the information collected on the WKG to SBG members.

21.   (original) The article of manufacture of claim 14 wherein the data further comprises data that, when accessed by the machine, causes the machine to perform operations comprising:

joining the WKG according to user configuration.

22.   (original) The article of manufacture of claim 21 wherein the data causing the machine to perform joining the WKG comprises data that, when accessed by the machine, causes the machine to perform operations comprising:

joining the SBG.

23.   (original) The article of manufacture of claim 14 wherein the data further comprises data that, when accessed by the machine, causes the machine to perform operations comprising:

partitioning one of the WKG and the SBG.

24.   (original) The article of manufacture of claim 14 wherein the data further comprises data that, when accessed by the machine, causes the machine to perform operations comprising:

merging the WKG to one other WKG; and

merging the SBG to one other SBG.

25.   (original) The article of manufacture of claim 14 wherein the data further comprises data that, when accessed by the machine, causes the machine to perform operations comprising:

enabling interaction among the unrelated mobile users within the WKG or the SBG using the WKG interaction protocols or the SBG interaction protocols.

26.   (currently amended) The article of manufacture of claim 25 wherein ~~wherein~~ the data causing the machine to perform enabling interaction comprises data that, when accessed by the machine, causes the machine to perform operations comprising:

managing an application;

discovering at least one of a host, an application, and a user profile;

managing distributed resource; and

managing group information.

27.   (currently amended) A system comprising:

a well-known ad-hoc group (WKG) <u>creator to create a WKG</u> for impromptu interactions among unrelated mobile users, the WKG having a WKG network configuration and a set of WKG interaction protocols; and

a session-based ad-hoc group (SBG) <u>creator to create a SBG</u> within the WKG to allow a user to interact with other mobile users, the SBG being one of an open SBG and a restricted

SBG, the SBG having SBG network configuration and a set of SBG interaction protocols, the SBG advertising information pertaining to the SBG on the WKG, the information including an access method for joining the restricted SBG.

28. (original) The system of claim 27 wherein the WKG is an open or restricted WKG.

29. (previously presented) The system of claim 27 wherein the open SBG has no access control and the restricted SBG has an access control to selected users.

30. (original) The system of claim 29 wherein the SBG has at least an administrator to manage access to the restricted SBG and control changes to the SBG network configuration.